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APPLICATION NO.	F	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,679		09/19/2003	Meng Ding	HIT1P024/HSJ9-2003-0079US	8257
50535	7590	11/03/2005	EXAMINER		INER
ZILKA-KOTAB, PC				TUGBANG, ANTHONY D	
P.O. BOX 721120 SAN JOSE, CA 95172-1120				ART UNIT	PAPER NUMBER
J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.				3729	

DATE MAILED: 11/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/666,679	DING ET AL.
Office Action Summary	Examiner	Art Unit
	A. Dexter Tugbang	3729
The MAILING DATE of this communication ap Period for Reply		correspondence address
A SHORTENED STATUTORY PERIOD FOR REPI WHICHEVER IS LONGER, FROM THE MAILING [- Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO .136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
Responsive to communication(s) filed on <u>08 ∠</u> This action is FINAL . 2b) This action for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pr	
Disposition of Claims		
4) ⊠ Claim(s) 1-21 is/are pending in the application 4a) Of the above claim(s) 6,15,20 and 21 is/are 5) ⊠ Claim(s) 1-5,7-14 and 16-19 is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/	re withdrawn from consideration.	
Application Papers		
9) The specification is objected to by the Examin 10) The drawing(s) filed on is/are: a) accepted any not request that any objection to the Replacement drawing sheet(s) including the correct any objected to by the E	cepted or b) objected to by the e drawing(s) be held in abeyance. Se ction is required if the drawing(s) is ob	e 37 CFR 1.85(a). njected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Bureat* * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicat ority documents have been receive au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892)	4) Interview Summary	
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date <u>9/19/03</u>. 	Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate Patent Application (PTO-152)

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DETAILED ACTION

Election/Restrictions

- 1. Applicant's election without traverse of the invention of Group I, Claims 1-5, 7-14 and 16-19, in the reply filed on August 8, 2005 is acknowledged. NOTE: It is noted that the Election of Species requirement for Group I has been withdrawn as Claims 2-5, 7-14 and 17-19 have been rejoined with generic Claims 1 and 16. However, the restriction requirement between Group I and Group II is hereby maintained.
- 2. Claims 6, 15, 20 and 21 have been withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on August 9, 2005.

Drawings

3. Figure 1-5 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Allowable Subject Matter

4. The following is a statement of reasons for the indication of allowable subject matter.

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The prior art does not teach all of the limitations of the claimed invention including performing a photolithographic patterning step for defining a designed height of an embedded read element; and performing a further photolithographic patterning step for defining a designed width of the embedded read element (as required in each of Claims 1 and 16).

For example, the reference to Zammit teaches a patterning step for defining a height of the read element and a patterning step for defining a width of the read element. However, the steps of Zammit are not equivalent steps as claimed because Zammit does not teach any photolithographic patterning.

Accordingly, Claims 1-5, 7-14 and 16-19 are allowed.

Conclusion

5. This application is in condition for allowance except for the following formal matters:

The drawing changes suggested above and cancellation of claims directed to the nonelected invention.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. Dexter Tugbang whose telephone number is 571-272-4570. The examiner can normally be reached on Monday - Friday 8:30 am - 5:00 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A. Dexter Tugbang Primary Examiner

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October 31, 2005